

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Applicants  
Rohit V. GAIKWAD et al.Filing Date  
February 21, 2000

Group

2443

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
BKJ	AA	4,870,657	09/26/89	Bergmans et al.	375	14	06/08/88
BKJ	AB	5,063,351	11/05/91	Goldthorp et al.	324	628	09/24/90
BKJ	AC	5,181,198	01/19/93	Lechleider	370	32.1	03/12/91
BKJ	AD	5,479,447	12/26/95	Chow et al.	375	260	05/03/93
BKJ	AE	5,519,731	05/21/96	Cioffi	375	260	04/14/94
BKJ	AF	5,561,686	10/01/96	Kobayashi et al.	375	200	08/24/92
BKJ	AG	5,668,802	09/16/97	Chalmers et al.	370	276	11/07/94
BKJ	AH	5,673,290	09/30/97	Cioffi	375	260	06/07/95
BKJ	AI	5,781,541	07/14/98	Schneider	370	335	05/03/95
BKJ	AJ	5,887,032	03/23/99	Cioffi	375	257	09/03/96
BKJ	AK	5,953,700	09/14/99	Kanevsky et al.	704	246	06/11/97
	AL	6,067,313	05/23/00	Cafarella et al.	375	130	06/22/98

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
BKJ	AM	US98/27154	12/18/98	PCT				
BKJ	AN	WO 98/34351	01/23/98	PCT				
BKJ	AO	WO 99/33215	12/18/98	PCT				

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

BKJ	AP	<i>Spectral Optimization And Joint Signaling Techniques For Communication In The Presence Of Crosstalk</i> , Serial No. 09/107,975, filed June 30, 1998
BKJ	AQ	<i>Spectral Optimization And Joint Signaling Techniques With Upstream/Downstream Separation For Communication In the Presence Of Crosstalk</i> , Serial No. 09/145,349, filed September 1, 1998
BKJ	AR	<i>Spectral Optimization And Joint Signaling Techniques With Multi-Line Separation For Communication In The Presence Of Crosstalk</i> , Serial No. 09/144,934, filed September 1, 1998
BKJ	AS	<i>Spectral Optimization For Communication In The Presence Of Crosstalk Under A Peak Frequency-Domain Power Constraint And With Optimally Grouped Spectral Bands</i> , Serial No. 09/266,413, filed March 10, 1999

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Atty. Docket No.  
1789-01910Serial No.  
09/20,966Applicants  
Rohit V. GAIKAR, AD et alFiling Date  
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2643

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BKT.	AT	Architecture and performance simulation of single pair H, W. Y. Chen, Converging Technologies for Tomorrow's Applications, 1996 IEEE Inter Conference, Vol. 3, Pages 1421-1425.
BKT.	AU	Evaluation of Near-End Crosstalk Noise Affecting ADSL Systems, M. Carbonelli et al, Singapore ICCS Conference 1994, 0-7803-2046-8/94 1994 IEEE, Pages 630-634.
BKT.	AV	Joint Signaling Strategies for Approaching the Capacity of Twisted-Pair Channels, A. Sendonaris et al., IEEE Transactions On Communications, Vol. 46, No. 5 May 1998, Pages 673-685.
BKT.	AW	Joint Signaling Strategies for Maximizing the Capacity of Twisted Pair Loops, A. Sendonaris et al., (10 p.)
BKT.	AX	Performance and Spectral Compatibility of MONET-PAM HDSL2 with Ideal Transmit Spectra - Preliminary Results, McCaslin et al., T1E1.4/97-307, September 1997, Pages 1-5.
BKT.	AY	A Proposal for DHSL2 Transmission: OPTIS, Rude et al., T1E1.4/97-238, June 1997, Pages 1-3.
BKT.	AZ	OPTIS Performance and Spectral Compatibility, Rude et al., T1E1.4/97-239, June 1997, Pages 1-4.
BKT.	BA	Performance and Spectral Compatibility of MONET (R1) HDSL2 with Ideal Transmit Spectra - Preliminary Results, McCaslin et al., T1E1.4/97-412, December 1997, Pages 1-6.
BKT.	BB	Updated OPTIS PSD Mask and Power Specification for HDSL2, Girardeau et al., T1E1.4/97-435, December 1997, Pages 1-6.
BKT.	BC	Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come, Bingham, IEEE Communications Magazine, May 1990, Pages 5-15.
BKT.	BD	Full-Duplex 2B1Q Single-Pair HDSL Performance and Spectral Compatibility, Kerpez, T1E1.4/95-127, November 1995, Pages 1-8.
BKT.	BE	Normative Text for Spectral Compatibility Evaluations, Zimmerman, T1E1.4/97-180R1, June 1997, Pages 1-10.
BKT.	BF	Optimization of Discrete Multitone to Maintain Spectrum Compatibility with Other Transmission Systems on Twisted Copper Pairs, Barton et al., IEEE Journal on Selected Areas in Communications, Vol. 13, No. 9, December 1995, Pages 1558-1563.
BKT.	BG	Near-End Crosstalk is Almost Gaussian, Kerpez, IEEE Transactions on Communications, Vol. 41, No. 1, January 1993, Pages 670-672.
BKT.	BH	The Multitone Channel, Kalet, IEEE Transactions on Communications, Vol. 37, No. 2, February 1989, Pages 119-124.
BKT.	BI	Achievable Information Rates on Digital Subscriber Loops: Limiting Information Rates with Crosstalk Noise, Aslanis, Jr., et al., IEEE Transactions on Communications, Vol. 40, No. 2 February 1992, Pages 361-372.
BKT.	BJ	A Practical Discrete Multitone Transceiver Loading Algorithm for Data Transmission over Spectrally Shaped Channels, Chow et al., IEEE Transactions on Communications, Vol. 43, No. 2/3/4, February/March/April 1995, Pages 773-775.
BKT.	BK	On the Capacity of a Twisted-Wire Pair: Gaussian Model, Kalet et al., IEEE Transactions on Communications, Vol. 38, No. 3, March 1990, Pages 379-383.
BKT.	BL	The HDSL Environment, Werner, IEEE Journal on Selected Areas in Communications, Vol. 9, No. 6, August 1991, Pages 785-800.
BKT.	BM	Digital Communication, Second Edition, Lee et al., Kluwer Academic Publishers 1994, Pages 489-491.
BKT.	BN	Performance and Spectral Capability of OPTIS HDSL2, Zimmerman, T1E1.4/97-237, June 1997, Pages 1-7.
BKT.	BO	Performance Evaluation of OPTIS for HDSL2, Takatori et al., T1E1.4/97-240, June 1997, Pages 1-4.

EXAMINER BINH K. TIEU

DATE CONSIDERED NOV. 14, 2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.